

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

B1NE
Revision 6
FANTASY SKY PROMOTIONS
Fantasy Six
Fantasy Seven
Fantasy Seven-65
Fantasy Eight
Fantasy Eight - 90
Fantasy Nine-122

February 28, 2005

TYPE CERTIFICATE DATA SHEET NO. B1NE

This data sheet which is part of Type Certificate No. B1NE prescribes conditions and limitations under which the product for which the type certificate was issued meets the airworthiness requirements of the Federal Aviation Regulations.

Type Certificate Holder: Fantasy Sky Promotions Inc.
1439 Bridge Street
New Dundee, Ontario Canada N0B 2E0

I Model "FANTASY SIX" Balloon (AX-6), Approved June 29, 1992, by the FAA, and June 17, 1992 by the Canadian Department of Transport (DOT)

Burner Drawing No.
(See Note 2) A-Type (Round) D-700671 S/N 001 to 099
F-Type (Square) D-700675 S/N 100 and subsequent
D-700683 S/N 300 and subsequent
Envelope Drawing No.
D-700677
Fuel Type Commercial Propane certified caustic free
Maximum Weight
(See Note 1) 1100 lbs
Geometry 56,000 Cu. Ft.
Fuel Capacity Maximum: four tanks
Minimum: two tanks

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Tank Capacity 43 lbs. each: Aluminum 10 USG
64.5 lbs. each Stainless Steel 15 USG

Maximum Envelope 250⁰ F
Temperature
(See Note 1)

Serial Numbers 001 and subsequent
Eligible

II Model "FANTASY SEVEN" BALLOON (AX-7), Approved Dec. 28, 1982, by the FAA and April 8, 1982, by the Canadian Department of Transport (DOT)

Burner Drawing No.

(See Note 2) A-Type (Round) D-700671 S/N 001 to 099
F-Type (Square) D-700675 S/N 100 and subsequent
D-700683 S/N 300 and subsequent

Envelope Drawing No.

D-700672

Fuel Type Commercial Propane certified caustic free

Maximum weight 1450 lbs.
(See Note 1)

Geometry 77600 cu. ft.

Fuel capacity Maximum: four tanks
Minimum: two tanks
Tank Capacity 43 lb. Each 10 USG Aluminum
64.5 lbs each 15 USG Stainless Steel

Maximum Envelope 250⁰F
Temperature
(See Note 1)

Serial Numbers 001 and subsequent
Eligible

III Model "FANTASY SEVEN-65" BALLOON (AX-7-65), Approved June 29, 1992, by the FAA and June 17, 1992, by the Canadian Department of Transport (DOT)

Burner Drawing No.

(See Note 2) A-Type (Round) D-700671 S/N 001 to 099
F-Type (Square) D-700675 S/N 100 and subsequent
D-700683 S/N 300 and subsequent

Envelope Drawing No.

D-700677

Fuel Type	Commercial Propane certified caustic free
Maximum weight (See Note 1)	1100 lbs
Geometry	65,000 cu. ft.
Fuel Capacity	Maximum: four tanks Minimum: two tanks Tank Capacity 43 lb. Each 10 USG Aluminum 64.5 lbs. each 15 USG Stainless Steel
Maximum Envelope Temperature (See Note 1)	250°F
Serial Numbers Eligible	001 and subsequent

IV Model "FANTASY EIGHT" BALLOON (AX-8), Approved July 15, 1986, by the FAA and March 25, 1986, by the Canadian Department of Transport (DOT)

Burner	<u>Drawing No.</u>
(See Note 2)	A-Type (Round) D-700671 S/N 001 to 099 F-Type (Square) D-700675 S/N 100 and subsequent D-700683 S/N 300 and subsequent
Envelope	<u>Drawing No.</u> D-700673
Fuel Type	Commercial Propane certified caustic free
Maximum weight (See Note 1)	1800 lbs when equipped with Dual F-Type Burners 1500 lbs when equipped with other burner configurations
Geometry	105,000 cu. ft.
Fuel Capacity	Maximum: four tanks Minimum: two tanks Tank Capacity 43 lb. Each 10 USG Aluminum 64.5 lbs. each 15 USG Stainless Steel
Maximum Envelope Temperature (See Note 1)	250°F
Serial Numbers Eligible	001 and subsequent

V Model 'FANTASY EIGHT-90' Balloon (AX-8-90), Approved March 23, 1990, by the FAA, and May 9, 1989 by the Canadian Department of Transport (DOT)

Burner	<u>Drawing No.</u>
(See Note 2)	A-Type (Round) D-700671 S/N 001 to 099 F-Type (Square) D-700675 S/N 100 and subsequent D-700683 S/N 300 and subsequent
Envelope	<u>Drawing No.</u>
	D-700676
Maximum Weight (See Note 1)	1500 lbs.
Geometry	90,000 Cu. Ft.
Fuel Capacity	Maximum: four tanks Minimum: two tanks Tank capacity 43 lbs. each 10 USG Aluminum 64.5 lbs. each 15 USG Stainless Steel
Maximum Envelope Temperature (See Note 1)	250 ⁰ F
Serial Numbers Eligible	001 and subsequent

VI Model "FANTASY NINE-122 BALLOON (AX-9-122), Approved May 22, 1995, by the FAA and July 28, 1994, by the Canadian Department of Transport (DOT)

Burner	Dual F-Type burners only
(See Note 2)	<u>Drawing No.</u>
	F-Type (Square) D-700675 S/N 100 and subsequent D-700683 S/N 300 and subsequent
Envelope	<u>Drawing No.</u>
	D-700681
Fuel Type	Commercial Propane certified caustic free
Maximum weight (See Note 1)	2000 lbs 2400 lbs. with 46 inch X 70 inch gondola
Minimum Weight (See Note 1)	1100 lbs.
Geometry	122,000 cu. ft.
Fuel Capacity	Maximum: four tanks Minimum: two tanks Tank Capacity 43 lb. Each 10 USG Aluminum 64.5 lbs. each 15 USG Stainless Steel
Maximum Envelope Temperature (See Note 1)	250 ⁰ F

Serial Numbers Eligible	001 and subsequent														
<u>DATA PERTINENT TO ALL MODELS EXCEPT AS NOTED</u>															
Gondola (See Note 2)	<table> <tr> <th><u>Drawing Number</u></th><th>Nominal Base <u>Dimensions (in)</u></th></tr> <tr> <td>D-700670</td><td>47 X 47 in</td></tr> <tr> <td>D-700674</td><td>47 X 56 in</td></tr> <tr> <td>D-700678</td><td>42 X 42 in</td></tr> <tr> <td>D-700679</td><td>42 X 50 in</td></tr> <tr> <td>D-700680</td><td>42 X 56 in</td></tr> <tr> <td>D-700682</td><td>46 X 70 in</td></tr> </table>	<u>Drawing Number</u>	Nominal Base <u>Dimensions (in)</u>	D-700670	47 X 47 in	D-700674	47 X 56 in	D-700678	42 X 42 in	D-700679	42 X 50 in	D-700680	42 X 56 in	D-700682	46 X 70 in
<u>Drawing Number</u>	Nominal Base <u>Dimensions (in)</u>														
D-700670	47 X 47 in														
D-700674	47 X 56 in														
D-700678	42 X 42 in														
D-700679	42 X 50 in														
D-700680	42 X 56 in														
D-700682	46 X 70 in														
Minimum Crew	One Pilot														
Maximum Occupants	Limited by the maximum weight, loading, and space requirements that are specified in the "Hot Air Balloon Flight Manual and Pilot Operating Handbook" (Refer to the "Approved Publications" section of this TCDS														
Approved Publications	Hot Air Balloon Flight Manual and Pilot's Operating Handbook for Fantasy Models AX-6, AX-7-65, AX-7, AX-8-90, AX-8, AX-9-122, Issue 2, Revision 8, approved December, 2004.														
Certification Basis	<p><u>Fantasy Six</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for amended Type Certificate dated October 1, 1991. Amended Type Certificate No. B1NE issued June 29, 1992.</p> <p><u>Fantasy Seven</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for type certificate dated May 17, 1979. Type Certificate No. B1NE issued December 28, 1982</p>														
Certification Basis (cont'd)	<p><u>Fantasy Seven-65</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for amended Type Certificate dated October 1, 1991. Amended Type Certificate No. B1NE issued June 29, 1992.</p> <p><u>Fantasy Eight</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for amended type certificate dated October 29, 1985. Amended Type Certificate No. B1NE issued July 15, 1986</p> <p><u>Fantasy Eight-90</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for amended type certificate dated Jan. 6, 1989. Amended Type Certificate No. B1NE issued March 23, 1990.</p> <p><u>Fantasy Nine-122</u> FAR Part 31 including Amendments 31-1 through 31-3. Application for amended type certificate dated June 14, 1994. Amended type Certificate No. B1NE issued May 22, 1995.</p>														

Import Eligibility	<p>A U.S. Airworthiness Certificate may be issued on the basis of the Canadian Department of Transport "Certificate of Airworthiness for Export" signed by the Minister of Transport.</p> <p>This form must contain the following statement: "This certifies that the balloon described below has been manufactured in conformity with data forming the basis for the DOT Aircraft Type Approval No. B-4, Issue 1, dated May 3, 1982, and later approved revisions (FAA Type Certificate No. B1NE)."</p>
Required Equipment	<p>The basic required equipment as specified in the applicable Airworthiness Regulations (see Certification Basis) must be installed in the balloon.</p> <p>In addition, the following items of equipment must be installed.</p> <ol style="list-style-type: none">1) DOT approved Hot Air Balloon Flight Manual and Pilot's Operating Handbook as Listed in Approved Publications.2) Fire Extinguisher3) Loading Chart4) Two (2) sparking devices5) Altimeter6) Rate of climb indicator7) Envelope temperature indicator8) At least 2 full fuel tanks with functioning quantity gauges9) Fuel pressure gauge
Note 1	Refer to Loading Chart for all operations.
Note 2	Refer to AFM for approved Basket and Burner combinations.
Note 3	Assuming balloon Maximum Weight limits are not exceeded when maximum number of occupants are carried.

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